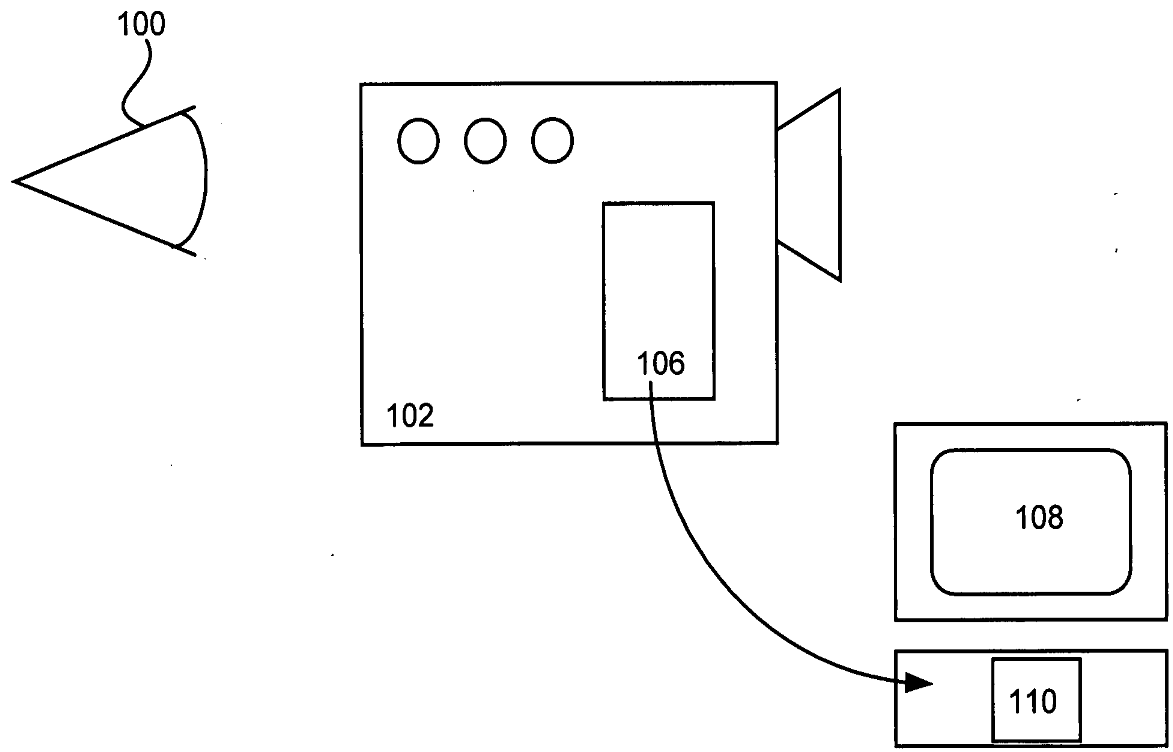

Fig. 1
Prior Art

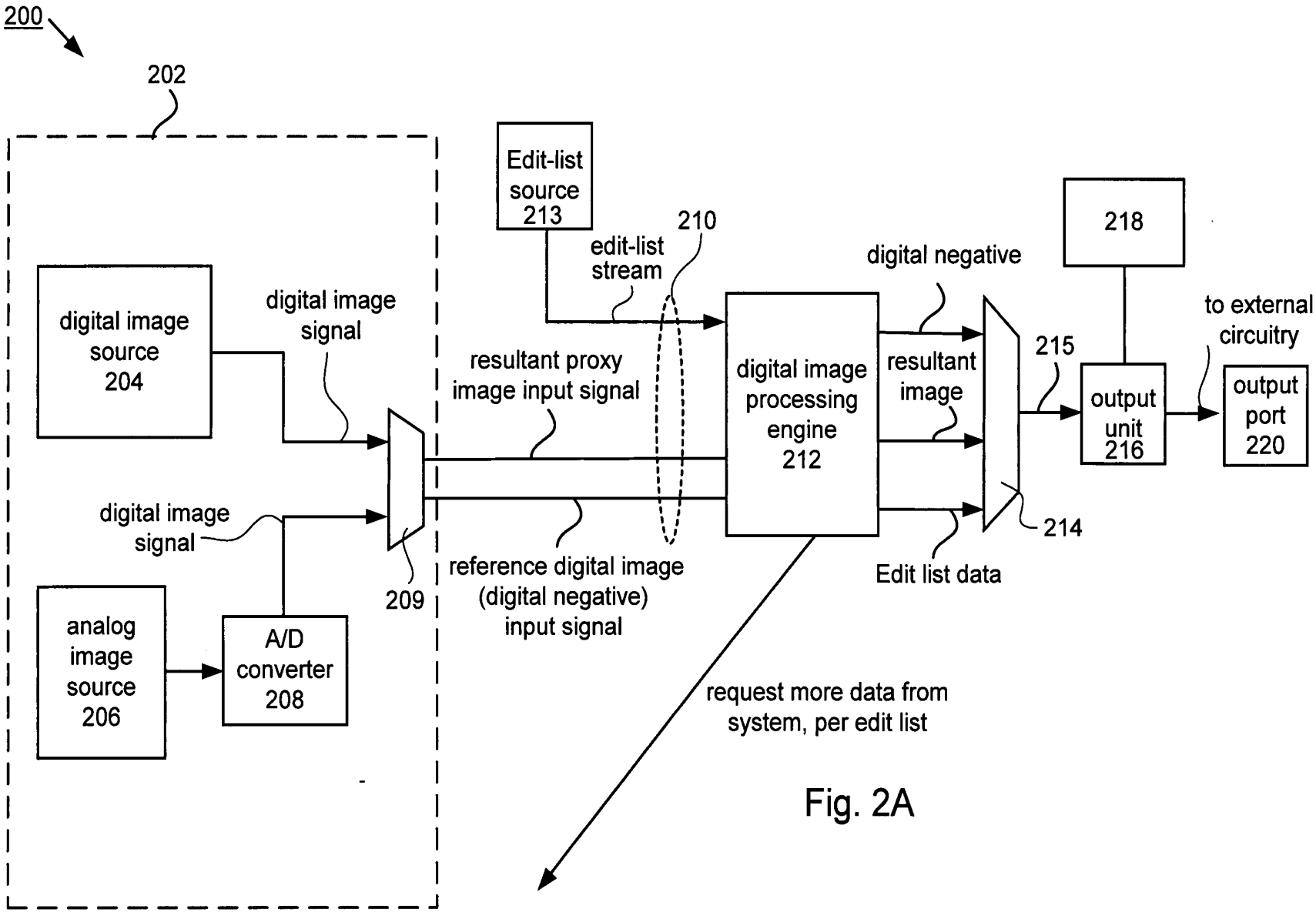
200
202
digital image source 204
digital image signal
analog image source 206
A/D converter 208
209
digital image signal
Edit-list source 213
edit-list stream
210
resultant proxy image input signal
reference digital image (digital negative) input signal
digital image processing engine 212
digital negative
resultant image
Edit list data
214
215
218
output unit 216
to external circuitry
output port 220
request more data from system, per edit list

Fig. 2A

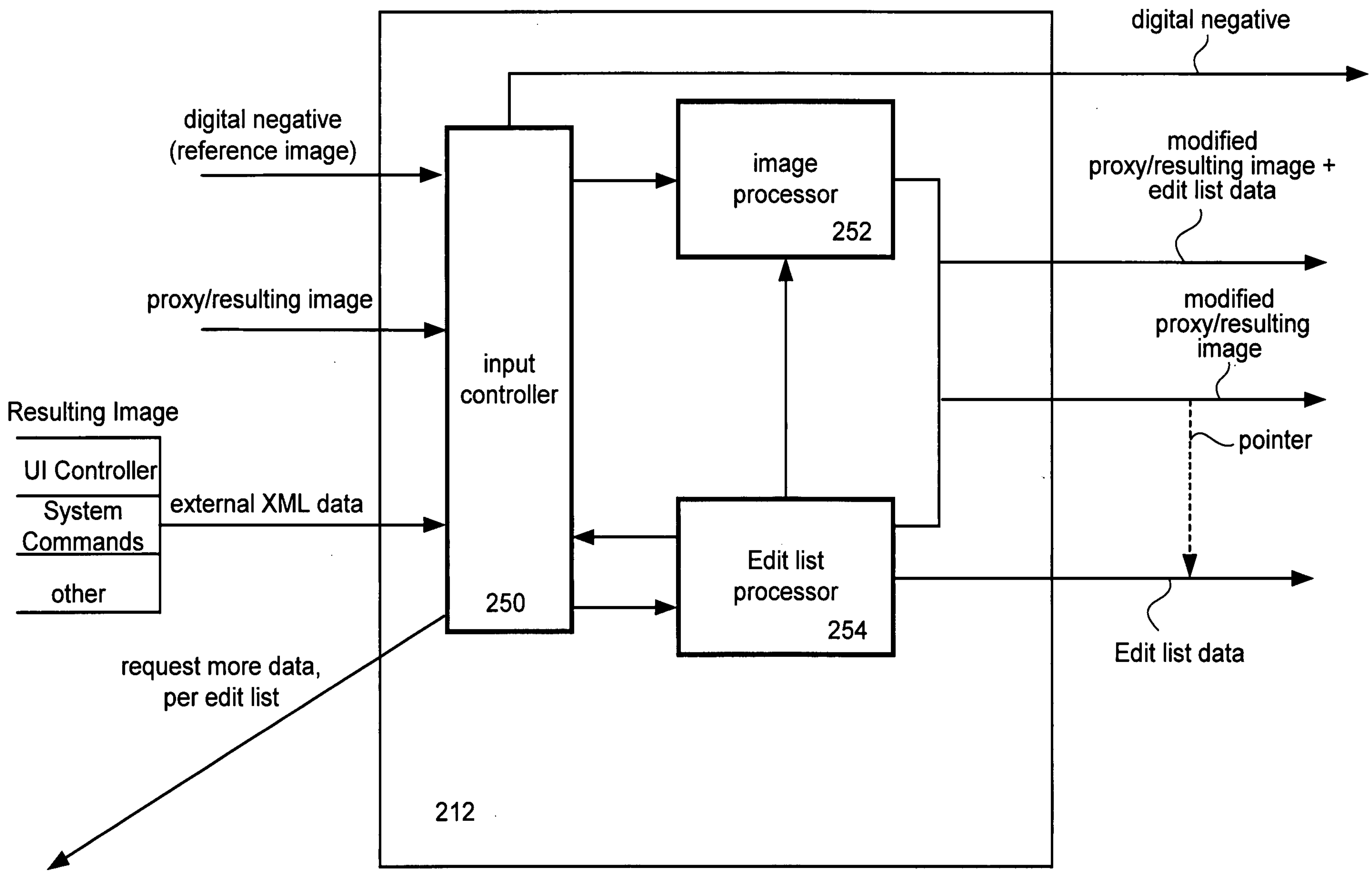
digital negative
(reference image)
proxy/resulting image
Resulting Image
UI Controller
System Commands
other
external XML data
request more data,
per edit list
input controller
250
image processor
252
Edit list processor
254
212
digital negative
modified proxy/resulting image + edit list data
modified proxy/resulting image
pointer
Edit list data

Fig. 2B

300

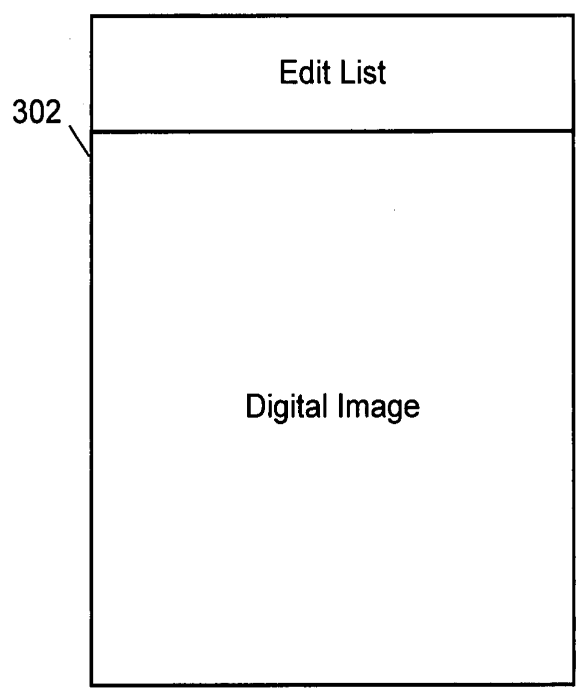

Fig. 2c

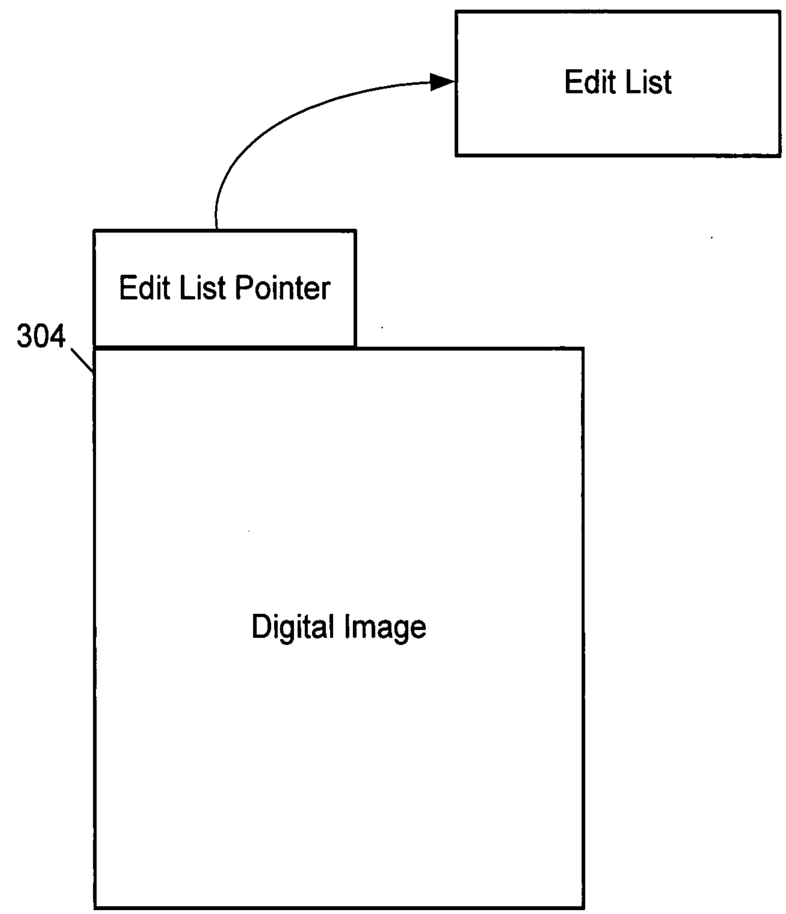

Fig. 2d

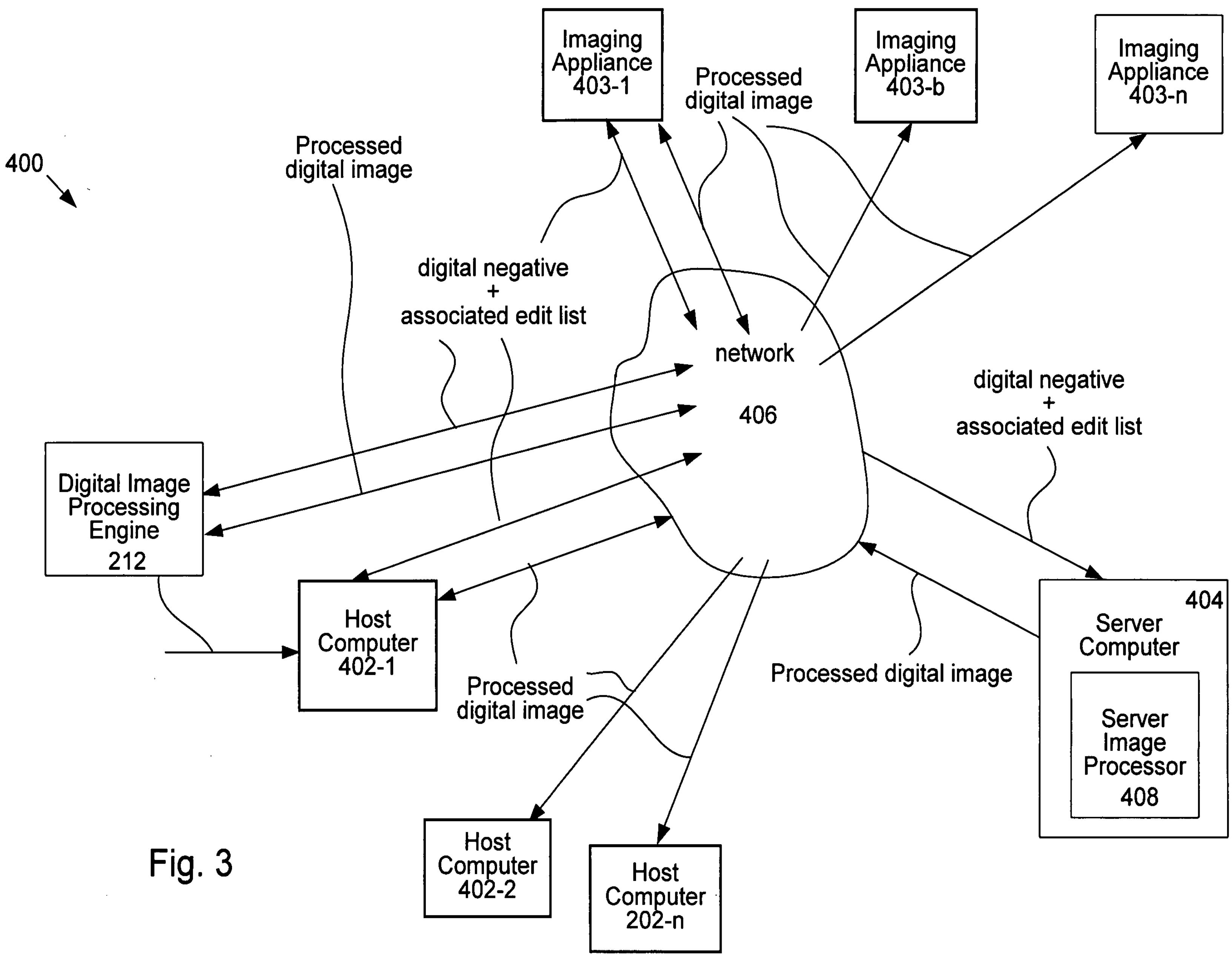
400
Imaging Appliance 403-1
Imaging Appliance 403-b
Imaging Appliance 403-n
Processed digital image
Processed digital image
digital negative + associated edit list
network
406
digital negative + associated edit list
Digital Image Processing Engine 212
Host Computer 402-1
Processed digital image
Processed digital image
Server Computer
404
Server Image Processor 408
Host Computer 402-2
Host Computer 202-n

Fig. 3

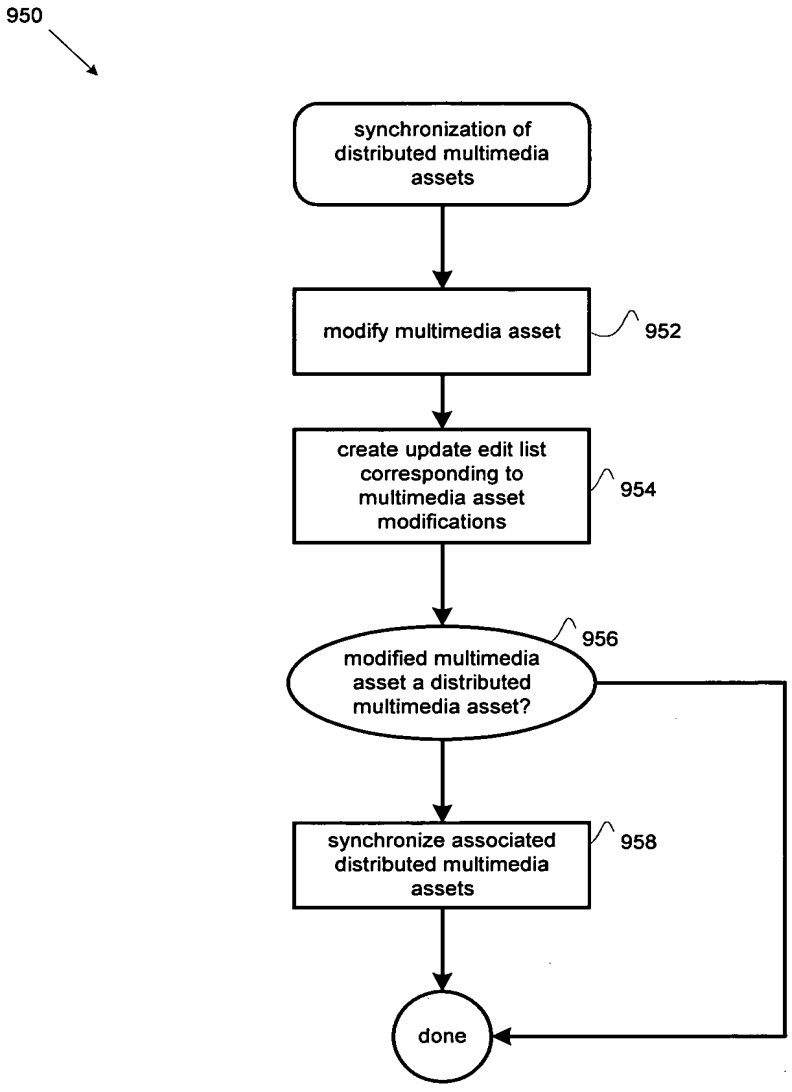
950
synchronization of distributed multimedia assets
modify multimedia asset
952
create update edit list corresponding to multimedia asset modifications
954
956
modified multimedia asset a distributed multimedia asset?
synchronize associated distributed multimedia assets
958
done

Fig. 4

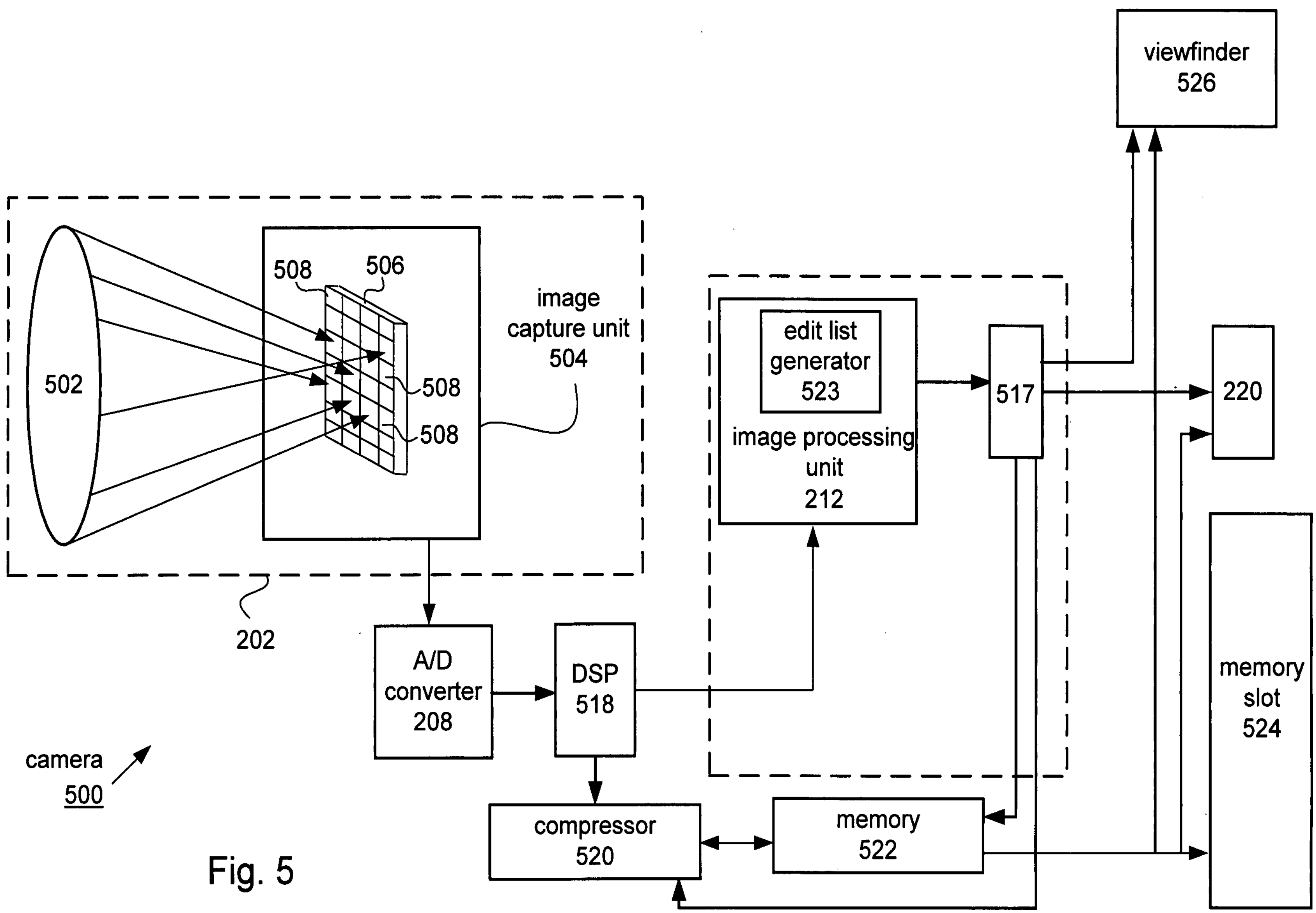
502
508
506
508
508
image
capture unit
504
202
A/D
converter
208
DSP
518
edit list
generator
523
image processing
unit
212
517
viewfinder
526
220
memory
slot
524
compressor
520
memory
522
camera
500

Fig. 5

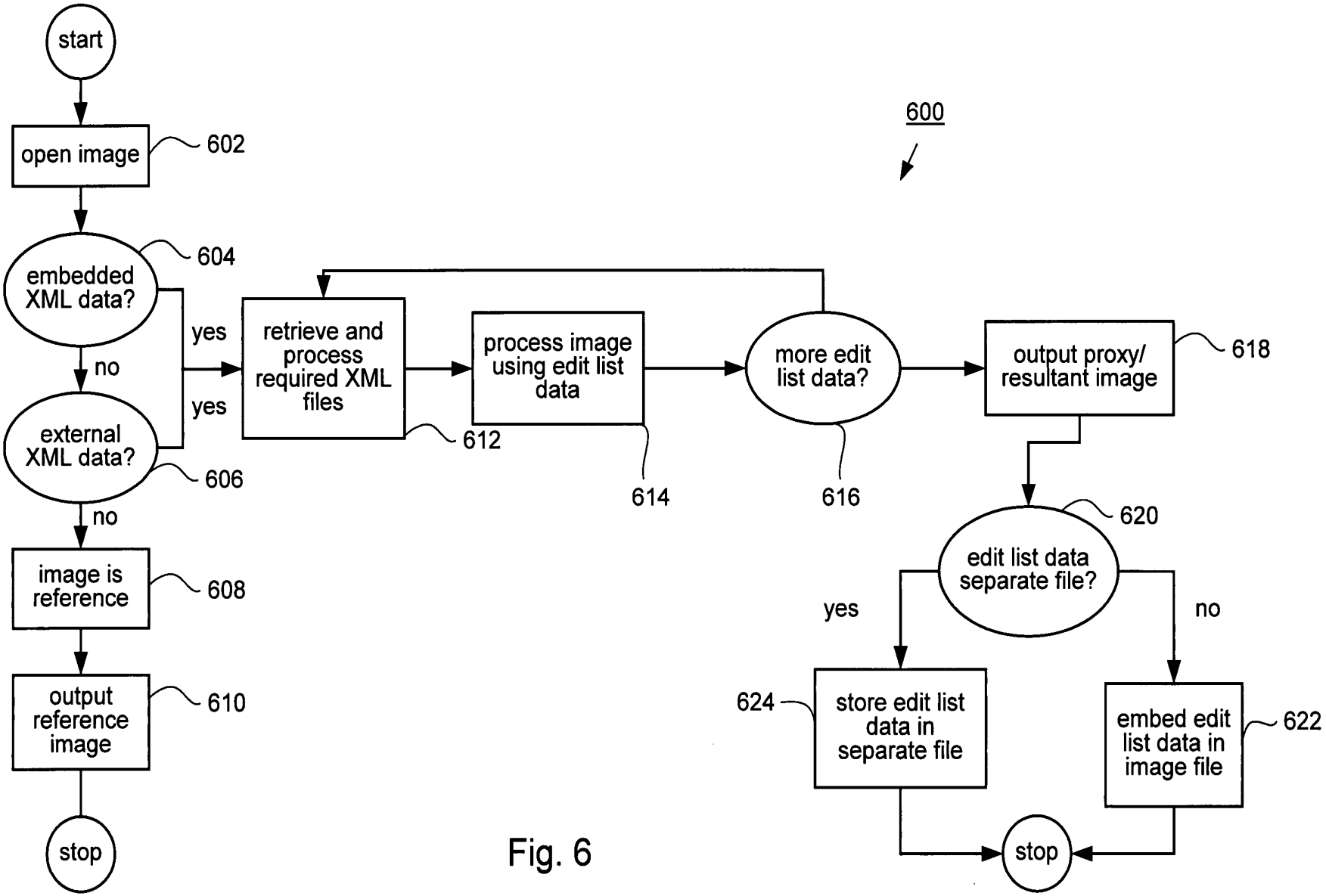
600
start
open image
602
embedded XML data?
604
yes
no
external XML data?
yes
606
no
image is reference
608
output reference image
610
stop
retrieve and process required XML files
612
process image using edit list data
614
more edit list data?
616
output proxy/ resultant image
618
edit list data separate file?
620
yes
no
store edit list data in separate file
624
embed edit list data in image file
622
stop

Fig. 6

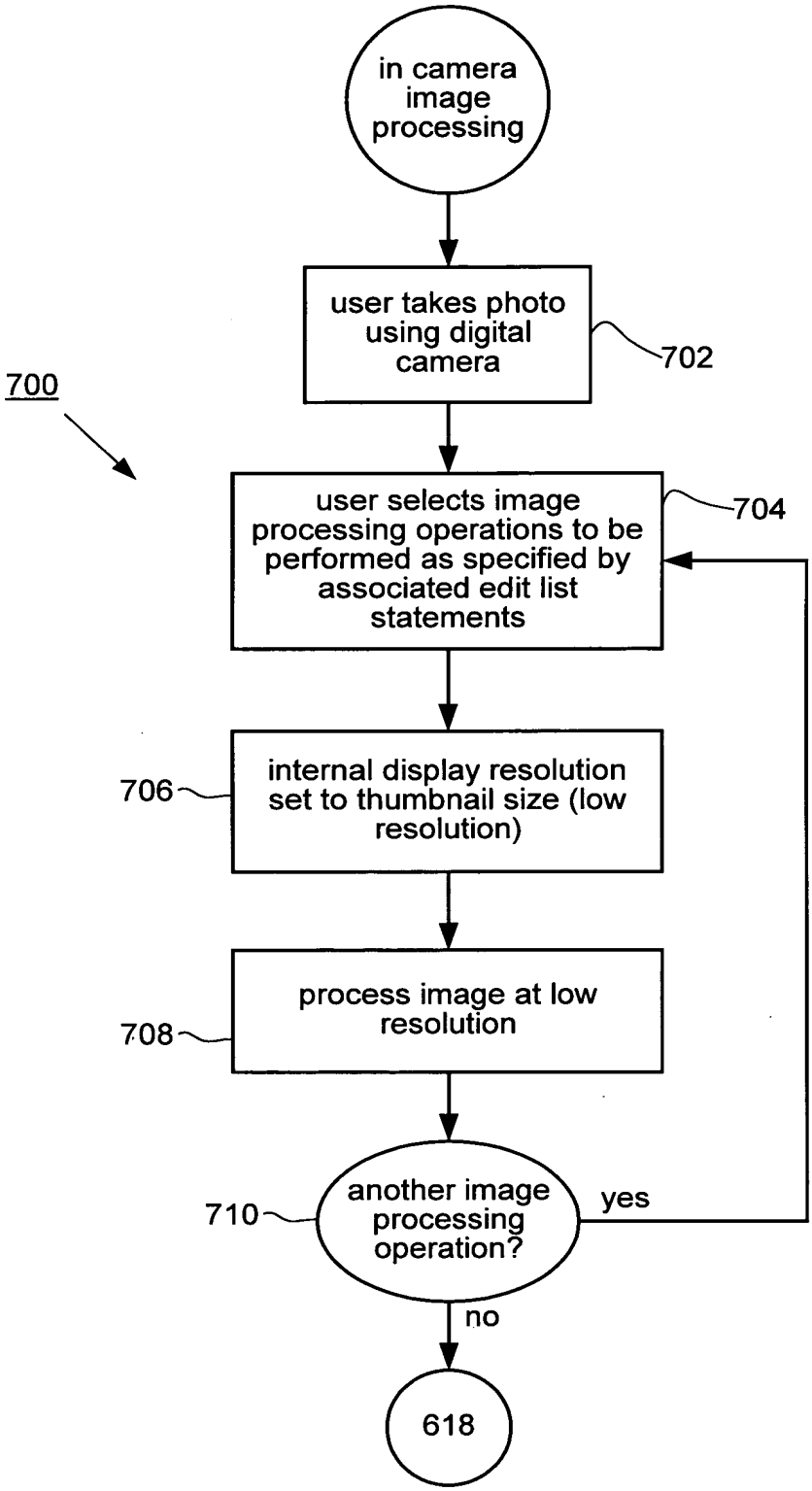
in camera image processing
user takes photo using digital camera
702
700
user selects image processing operations to be performed as specified by associated edit list statements
704
internal display resolution set to thumbnail size (low resolution)
706
process image at low resolution
708
another image processing operation?
710
yes
no
618

Fig. 7

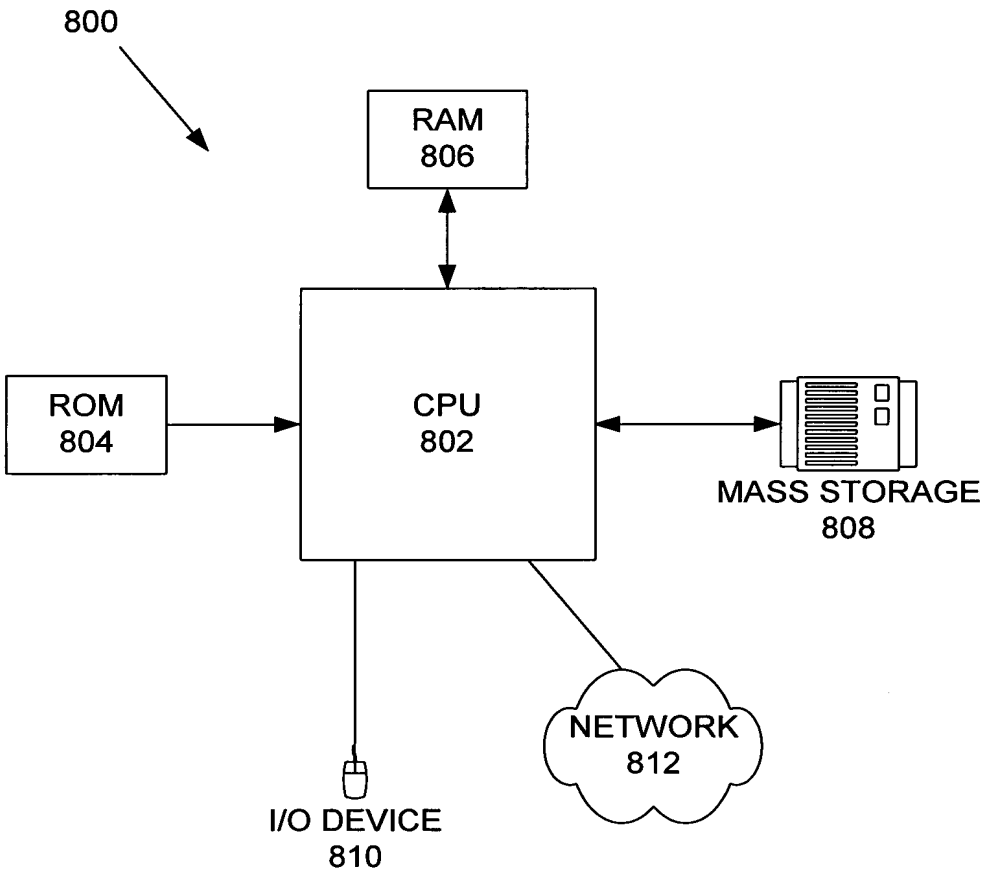
800
RAM
806
ROM
804
CPU
802
MASS STORAGE
808
NETWORK
812
I/O DEVICE
810

Fig. 8